



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Ahmed Sallam

Application No.: 10/814,843

Filed: March 30, 2004

For: Using Mobility Tokens To Observe  
Malicious Mobile Code

Confirmation No.: 6495

Group Art Unit: 2161

Examiner: Safet Metjahic

Attorney Docket No.: 44420423-8591

**SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT**

SONNENSCHN NATH & ROSENTHAL LLP  
Customer No. 45969

M/S AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Arlington, VA 22313-1450

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as First Class Mail in an  
envelope, addressed to: M/S Amendment, Commissioner for  
Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

12-22-05

SONNENSCHN NATH & ROSENTHAL LLP

Dated: 12-22-05 By:

Joan Mazzeo  
Joan Mazzeo

Sir:

Applicant submits herewith patents, publications or other information [attached hereto and listed on the attached Form PTO-1449 (modified)] of which he is aware, which he believes may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR § 1.97(a).
- (b) ☐ is filed within three months after the filing date of the application or within three months after the date of entry of the national stage of a PCT application as set forth in 37 CFR § 1.491.
- (c) ☒ as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits, or before a first office action after filing a Request for Continued Examination under § 1.114.

- (d) ☐ is filed after the first office action and more than three months after the application's filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180) set forth in 37 CFR § 1.17(p) or a certification as specified in 37 CFR § 1.97(e), as checked below.
- (e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and the Issue Fee has not been paid, and is accompanied by the fee (\$130) set forth in 37 CFR § 1.17(i)(1) and a certification as specified in 37 CFR § 1.97(e), as checked below. This document is to be considered as a petition requesting consideration of the information disclosure statement.

A list of the patent(s) or publication(s) is set forth on the attached Form PTO-1449 (Modified). A copy of the items on PTO-1449 (Modified) is supplied herewith, except for issued United States Patents and Published United States Patent Applications.

A concise explanation of relevance of the items listed on form PTO-1449 (Modified) is:

- (h) ☐ not given
- (i) ☐ given for each listed item
- (j) ☒ given for only non-English language listed item(s) Cite no. 32: The **DE 100 21 686 A1** reference discusses a method for reducing the distribution of computer viruses in an e-mail network. Cite no. 35: The **von Babo** reference pertains to the infestation of computer files by viruses. The viruses can reside in data files and backups thereto.
- (k) ☐ is in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references [copy attached].

The Examiner is reminded that a "concise explanation of the relevance" of the submitted items "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention," MPEP § 609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that

any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR § 1.56(a) exists. It is submitted that the Information Disclosure Statement complies with 37 CFR § 1.98 and MPEP § 609 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge our Deposit Account No. 19-3140, for any fees required in connection with the filing of this Information Disclosure Statement. A **duplicate copy of this Notice is enclosed for this purpose.** In particular, in the event that an Office Action has crossed in the mail with this Information Disclosure Statement, the Commissioner is authorized to charge the above-named deposit account for any fees required pursuant to CFR §§ 1.17(p) or 1.17(i)(1).

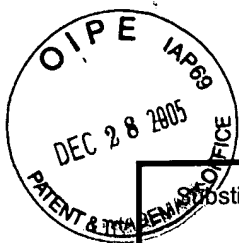
Respectfully submitted,

SONNENSCHN NATH & ROSENTHAL LLP

Dated: 12/22/05

By: Jeffrey Brill

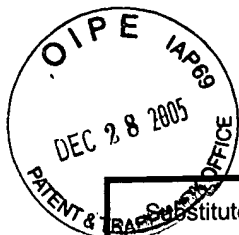
Jeffrey Brill,  
Reg. No. 51,198  
Attorney of Record  
Attorneys for Applicant



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>		
				Application Number	10/14,843	
				Filing Date	March 30, 2004	
				First Named Inventor	Ahmed Sallam	
				Group Art Unit	2161	
Examiner Name	Safet Metjahic					
Attorney Docket Number	44420423-8591					
Sheet	1	of	2			
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
	1	US-6,052,709 A	04-18-2000	Paul et al.		
	2	US-2002/0083175 A1	06-27-2002	Afek et al.		
	3	US-2005/0021740	01-2005	Bar et al.		
	4	US-2003/0191966	10-2003	Glechauf, Robert E.		
	5	US-5,440,723	08-1995	Arnold et al.		
	6	US-6,070,244	05-2000	Orchier et al.		
	7	US-6,370,648	04-2002	Diep, Thanh A.		
	8	US-2002/0046275	04-2002	Crosbie et al.		
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	10	US-2003/0115485	06-2003	Milliken, Walter Clark		
	11	US-2003/0236995	12-2003	Fretwell, Lyman J. Jr.		
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	13	US-6,910,134	06-2005	Maher et al.		
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	15	US-2002/0157008	10-2002	Radatti, Peter V.		
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	17	US-2003/0120951	06-2003	Gartside et al.		
	18	US-2002/0091940	07-2002	Wellborn et al.		
	19	US-6,552,814	04-2003	Okimoto et al.		
	20	US-6,072,830	06-2000	Proctor et al.		
	21	US-6,813,712	11-2004	Luke, James Steven		
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	25	5,473,769	12-1995	Cozza, Paul D.		
	26	US-2003/0023865	01-2003	Cowie et al.		
	27	US-2003/0140049	01-2003	Radatti, Peter V.		
	28	6,094,731	07-2000	Waldin et al.		

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



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				Group Art Unit	2161	
				Examiner Name	Safet Metjahic	
				Attorney Docket Number	44420423-8591	
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Number Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	29	WO 97/39399 A	10-23-1997	Trend Micro, Inc.		
	30	WO 01/91403 A	11-29-2001	V.N. Hermes, Inc.		
	31	WO 02/05072 A	01-17-2002	Messagelabs Ltd.		
	32	DE 100 21 686 A1	11-08-2001	Deutsche Thomson- Brandt GMBH		
	33	EP 1 280 039 A	01-29-2003	Networks Associates Technology, Inc.		
	34	GB 2 364 142 A	01-16-2002	Robert Morris		
<b>OTHER ITEMS – NON PATENT LITERATURE DOCUMENTS</b>						
Examiner Initials*	CiteNo. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
	35	VON BABO, Michael, "Zehn Mythen um Computerviren: Dichtung und Wahrheit über den Schrecken des Informatikzeitalters," Technische Rundschau, Hallwag, Bern, Switzerland, Vol. 84, No. 36. September 4, 1992, pp. 44-47.				
	36	Toth, et al "Connection-history based anomaly detection" Proceedings of the 2002 IEEE Workshop on Information Assurance and Security. West Point, NY, 17-19 June 2002. pp 30-35				
	37	Kephart, Jeffrey et al., "An Immune System For Cyberspace" IBM Thomas J. Watson Research Center, IEEE 1997, pp 879-884.				
	38	Symantec Corporation, "Norton AntiVirus Corporate Edition", 1999, Version 1, pages 15,22.				
	39	BAKOS et al., "Early Detection of Internet Work Activity by Metering ICMP Destination Unreachable Activity.", Proc. Of SPIE Conference on Sensors, and Command, Control, Communications and Intelligence, Orlando, April 2002				
Examiner Signature				Date Considered		

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